

Title (en)  
QUALITY CONTROL USING MULTIPROCESS PERFORMANCE ANALYSIS

Publication  
**EP 0449476 A3 19921104 (EN)**

Application  
**EP 91302308 A 19910318**

Priority  
US 50035490 A 19900326

Abstract (en)  
[origin: EP0449476A2] A new graphical tool, called a multi-process performance analysis chart, can be used in a quality control method for analyzing the performance of a group of processes in a multi-process environment. The method achieves at least three objectives. One, the method is useful for aggregating on one chart the overall status of a group of processes. Departures of process mean values from target values are readily interpreted from the chart as are process variabilities and process capability indices. Estimates of the expected fallout of a process parameter with respect to its tolerance are also readily generated. Two, the method allows for prioritizing quality improvement efforts in complex operations, which may comprise many processes. And three, the method allows for quantifying improvements resulting from reductions in the departures of process means from target values and from reductions in process variabilities.

IPC 1-7  
**G06F 11/34**

IPC 8 full level  
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CPC (source: EP KR)  
**G06F 11/34** (2013.01 - EP); **G06F 17/00** (2013.01 - KR)

Citation (search report)  
• [A] US 4320463 A 19820316 - HIMMELSTEIN SYDNEY  
• [A] ADVANCES IN INSTRUMENTATION. vol. 41, no. 2, 1986, PITTSBURGH US pages 821 - 827; D.L. ULERY: 'software requirements for statistical quality control'  
• [A] ELEKTROTECHNISCHE ZEITSCHRIFT - ETZ. vol. 107, no. 12, June 1986, BERLIN DE pages 538 - 544; T. PFEIFER ET AL.: 'Rechnerunterstützte Qualitätssicherung als Baustein für CIM'

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GB2462768B; WO9701802A1

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CH DE ES FR GB IT LI NL SE

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**EP 0449476 A2 19911002; EP 0449476 A3 19921104**; CA 2034421 A1 19910927; CA 2034421 C 19951219; JP H04223560 A 19920813; JP H0713827 B2 19950215; KR 910017314 A 19911105; KR 940009708 B1 19941017

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**EP 91302308 A 19910318**; CA 2034421 A 19910117; JP 8443991 A 19910326; KR 910004526 A 19910322